

FERC Order 841 eMarket Sandbox will be effective by October 9th, 2025, for testing eMarket Application Programming Interfaces (APIs) and new bidding parameters.

1. High-Level Changes in eMarket

New bidding parameters for electric storage resources will be introduced in eMarket to account for the state of charge (SOC) and duration characteristics of electric storage resources in the Day-Ahead Market (DAM). Under the existing “ESF” (electric storage facility) tab three new displays will be added, and the defaults display will be updated to capture and manage day-ahead offers at the facility level.

Updated Displays:

- **ESF Default Parameters** (Previously “ESF Daily Defaults”)
 - Participants can view the individual assets associated with a particular ESF and the default state of charge daily offer parameters for the ESF and market day.
 - Participants can update the Initial State of Charge, Maximum State of Charge, Minimum State of Charge, and Round-Trip Efficiency daily offer parameters for a given ESF and market day.
 - Participants can see whether a facility's SOC constraint is active for a given market day.
- The **XML Download** tab has links to each of the updated and new tabs mentioned above.

New Displays:

- **Portfolio Manager** - Participants can add or remove ESFs from a portfolio.
- **Hourly Updates**
 - Participants can view the default state of charge daily offer parameters and whether the facility's SOC constraint is active for a given ESF and market day.
 - Participants can submit the Maximum State of Charge, Minimum State of Charge, and Round-Trip Efficiency hourly offer parameters for a given ESF and market day.
- **SOC by Portfolio**- Participants can view the cleared state of charge for each hour for each ESF in a portfolio for a given market day.

New Bidding Parameters by Screen:

- **ESF Default Parameters:** Initial SOC, Default Min SOC, Default Max SOC, and Activate SOC Constraint
- **Hourly Updates:** Min SOC, Max SOC, and Round-Trip Efficiency

2. Migration Timeline

The new functionality will be available in the eMarket sandbox environment by October 9th, 2025. There will be two testing phases in the sandbox.

- **Simulated pre-DAM window (October 9, 2025 – October 21, 2025)**

1. Participants must create an ESF portfolio via the eMarket user interface (UI) or web services application programming interface (API) in order to do the following:
 - update round trip efficiency values in the UI.
 - test the XML *download*.
 2. If participants want to update their round trip efficiency values via their web services API, they must specify the ActiveSOC flag.
 3. The new day-ahead state of charge parameters are available for viewing only.
- **Simulated DAM window (beginning October 22, 2025)**
 1. ALL participants update their APIs with the new ESF default and daily parameters and test their web services APIs.
 2. Participants can edit the new ESF default and hourly parameter fields in the UI.
 3. If a portfolio has been created, participants can view and download SOC by portfolio results.

3. eMarket User Documentation

[eMarket Users Guide v9.2](#)

[eMarket Data Exchange Specification v13.0](#)

[eMarket Web Services Definition v26.0](#)